

NOVEL CELL-SURFACE ESTROGEN RECEPTOR AND RELATED
COMPOSITIONS AND METHODS

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Abstract of the Disclosure

10 This invention provides an isolated mammalian cell-surface
estrogen receptor characterized by (a) a non-stereospecific
binding affinity for 17 α -estradiol and 17 β -estradiol; (b) at
least one epitope in common with the ligand-binding domain of
ER- α ; and (c) increased presence at caveolar or caveolar-like
microdomains of cells on which the receptor is present. This
invention further provides related methods for assaying
15 compounds, activating the MAP kinase pathway of a cell, and
delaying the onset of or treating disorders. Finally, this
invention provides related articles and compositions of matter.